

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/002000

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 F04B 39/12**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 : F04B, F16J, F02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
KR, JP : IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| X | JP 55-22564 U, U1 (Hitachi Ltd.) 13 FEBRUARY 1980 See figs. 1, 2 See specification page 1, line 20 - page 2, line 5 | 1 |
| Y | JP 58-167861 A (Toshiba Corp.) 30 MARCH 1982 See figs. 4, 5 See claims | 1 |
| A | JP 50-112649 A (Tokiko Co.) 4 SEPTEMBER 1975 See the whole document | 1 |
| A | JP 54-131607 U (Mikuni Jukogyo KK) 12 SEPTEMBER 1979 See the whole document | 1 |

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

30 NOVEMBER 2004 (30.11.2004)

Date of mailing of the international search report

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Name and mailing address of the ISA/KR



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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/002000

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------|
| JP 55-22564 U, U1 | 13-02-1980 | NONE | |
| JP 58-167861 A | 30-03-1982 | NONE | |
| JP 50-112649 A | 04-09-1975 | NONE | |
| JP 54-131607 U | 12-09-1979 | NONE | |

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